

## The Timken Company 4500 Mt Pleasant St. NW N. Canton, OH 44720

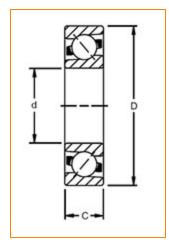
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Part Number 7214 BTN1/CN, Timken® Single Row Angular Contact Ball Bearings (7200, 7300)

Timken® angular contact ball bearings are designed for combination radial and axial loading. Single-row bearings have high thrust capacity in one direction. Some single-row bearings are specifically designed for duplex mounting in sets for maximum performance.





## <u>Dimensions</u> | <u>Basic Load Ratings</u> | <u>Factors</u> | <u>Specifications</u> | <u>Abutment and Fillet Dimensions</u>

Din	Dimensions		
	d - Bore	70.00 mm 2.7559 in	
	D - Outer Diameter	125.00 mm 4.9213 in	
	Bearing Width	24.00 mm 0.9449 in	
	Contact Angle	40 °	

Basic Load Ratings	-	
0 - Static Radial Rating	58000 N 13036 lbf	



C1 ISO - Dynamic Radial Rating 69000 N 15509 lbf

Limiting Speed (Grease) 4900 rpm	Factors		-
	Limiting Speed (Grease)	4900 rpm	
Limiting Speed (Oil) 6500 rpm	Limiting Speed (Oil)	6500 rpm	

Specifications		-
Ball Type	STEEL	
Cage Type	Molded	
Cage Material	Polyamide	
Bearing Weight	1.11 Kg 2.447 lb	
Design Units	METRIC	
R - Inner Ring "Touch" Radius	0.6	
r - Outer Ring "Touch" Radius	0.6	
Features	Open	

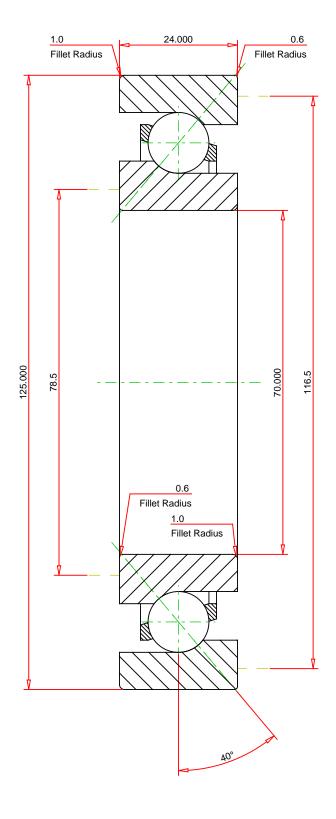
Abutment and Fillet Dimensions –				
	R - Inner Ring "To Clear" Radius <sup>1</sup>	1.00 mm 0.039 in		
	r - Outer Ring "To Clear" Radius <sup>2</sup>	1.00 mm 0.039 in		
	da - Inner Ring Backing Diameter	78.5 mm 3.091 in		
	Da - Outer Ring Backing	116.5 mm		



Diameter 4.587 in

 $^1$  Maximum housing fillet radius that bearing corners will clear.  $^2$  Maximum shaft fillet radius that bearing corners will clear.





## **METRIC UNITS**

Number of Balls Per Row
Bearing Weight

16
1.110 kg

THE TIMKEN COMPANY
NORTH CANTON, OHIO USA

## 7214 BTN1/CN

Timken® Single Row Angular Contact Ball Bearings (7200, 7300)

Dynamic Radial Rating Static Radial Rating 69000 N 58000 N

FOR DISCUSSION ONLY

Every reasonable effort has been made to ensure the accuracy of the information contained in this writing, but no liability is accepted for errors, omissions or for any other reason.